

**North Carolina Department of Health and Human Services  
Division of Mental Health, Developmental Disabilities and Substance Abuse Services**

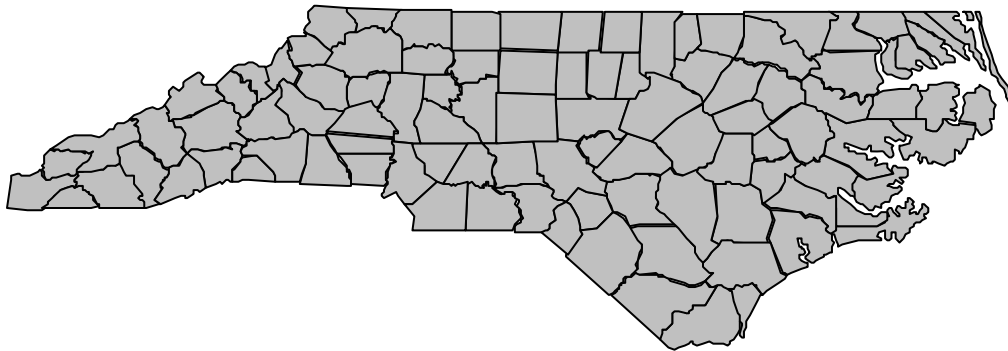
**NC-TOPPS**

North Carolina Treatment Outcomes and Program Performance System

**Adolescent (12-17) Mental Health Consumers  
Pathways LME**

**Initial Interviews Matched to 3-Month Interviews  
Initials Conducted: January 1, 2006 through December 31, 2006**

Note: Includes matching Update Interviews through June 2007.



Data Collected By:

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Prepared For:

Quality Management Team  
Community Policy Management Section  
DMH/DD/SAS  
NC DHHS

July 2007



## Matched Initial/Update Report

This feedback report is available to Local Management Entities, providers and the NC Division of Mental Health, Developmental Disabilities and Substance Abuse Services on data gathered for mental health consumers through the North Carolina Treatment Outcomes and Program Performance System (NC-TOPPS). This report provides information gathered through the online NC-TOPPS Initial and Update (or Episode Completion) Interviews. It provides six or seven pages of charts, tables and text information on consumers' demographic characteristics, symptoms, behaviors and activities, service needs, supports and barriers, family and housing issues and outcome measures collected through an interview with the consumer during treatment. It should be noted that not every data element or response category on the NC-TOPPS Interviews are displayed in this report.

Please note that the charts and tables may not always match online queries that you may conduct. The data used in these reports will not necessarily reflect the same points in time. In addition, NDRI who produces these reports cleans the data and removes apparent duplicates prior to preparing the tables and charts.

Additional information about NC-TOPPS and pdf copies of the online NC-TOPPS interviews are located at:

<http://nctopps.ncdmh.net/>

## General Information on Interpreting Tables

<b>Types of Statistics</b>	<ul style="list-style-type: none"> <li>▶ A <u>count</u> shows the actual number (often designated by the letter "n") of clients.</li> <li>▶ A <u>percentage</u> is the number of clients with a characteristic or behavior divided by all the clients in the group of interest multiplied by 100. Percentages will be designated with a % sign next to the number.</li> <li>▶ An <u>average</u> is the sum of a set of numbers divided by the number of numbers in the set. When a number in a cell is an average, the word average will appear in the row descriptor.</li> <li>▶ A <u>median</u> is the middle number in a set of numbers, arranged from lowest to highest. For example, the median for the following numbers: 9, 12, 12, 15, 17, 20, <b>22</b>, 23, 25, 28, 31, 35, 62 is the bolded number, 22. Medians are important measures of central tendency, especially when a mean may be skewed by a very high or very low value. When a number in a cell is a median, the word median will appear in the row descriptor.</li> </ul>
<b>Missing Data</b>	For many of the NC-TOPPS forms received, a particular item or question may have been left blank. In calculating the means, medians, and percentages in cells of questionnaire items, this missing data is excluded from the calculation. For example, program X may have submitted 50 assessments but in 2 of the assessments, gender was left blank. When the percent of males is calculated, the 25 males are shown as 52% ( $25/48 \times 100$ ).
<b>Denominator</b>	The denominator for nearly all percentages is the number of cases shown on the bottom left of the page minus item missing data. All exceptions to this general rule are <b>specifically noted</b> with appropriate text in the graphic or table. This text will state which group is included or excluded from the denominator, such as "of those in the labor force" or "of those with children."
<b>Multiple Response</b>	"Multiple response" indicates a "mark all that apply" type question in which more than one response to a question is allowed. The total of responses may add to greater than 100%. Examples are health insurance or target population. This is in contrast to items such as gender where only a single response is allowed.
<b>Time periods of behaviors measured</b>	Behaviors are measured at several time periods including the past year, the past 6-months, the past 3-months, the past month, or since last interview. For the Initial Interviews, the time periods can generally be construed to mean the time period before treatment begins. For the Update Interviews the time is measured from the time at which the interview occurs back one month, 3-months, or since the last interview.
<b>Definitions of terms</b>	The Appendix at the end of the report gives definitions of acronyms, abbreviations, and other terms used in this report.
<b>Notes:</b>	Mental Health consumers who are also being treated for substance abuse (co-occurring) are included in this report.

**Pathways LME Adolescent Mental Health Consumers**  
**Initial Interviews Matched to 3-Month Interviews**  
**Initials Conducted January 1, 2006 through December 31, 2006**

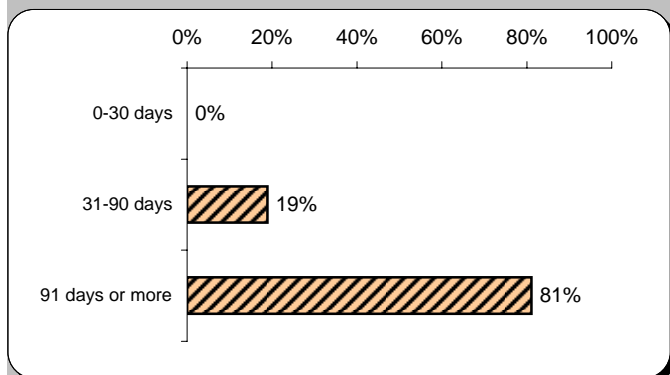
This table shows the number of matched consumers in this report by provider. This is the number of Initials done during the calendar year 2006 for whom there was a 3-month update interview conducted by June 30, 2007.

<b>Provider</b>	<b>City</b>	<b>ProviderID</b>	<b>Number</b>
AAA Care and Treatment Facility	Gastonia	380	3
ABC Human Services	Gastonia	849	5
CRE Care Management	Gastonia	709	5
Carolina Center for Counseling	Gastonia	446	8
Dreamweavers Unlimited	Gastonia	452	4
Elite Community Health, LLC	Gastonia	383	1
Family First, Inc.	Belmont	884	3
Footprints Carolina	Gastonia	457	56
Footprints Carolina	Lincolnton	677	5
Footprints Carolina	Shelby	532	8
Genesis House, Inc.	Gastonia	814	1
Greater Metrolina Mental Health Services	Gastonia	630	11
New Place, Inc.	Belmont	941	1
Pathways	Lincolnton	381	1
R & S Willis, Inc.	Gastonia	620	6
Success Intervention Services, Inc.	Gastonia	328	1
Sunpath LLC	Cramerton	751	8
Support, Inc.	Gastonia	397	22
Support, Inc.	Shelby	842	2
Tanyl's Respite and Habilitation Services	Shelby	525	1
The Simple Life Services, Inc.	Gastonia	1134	3
True Behavioral Healthcare, Inc.	Gastonia	382	41
<b>Total</b>			<b>196</b>

## Part I

Part I of this report includes descriptive information about the Initial Interviews Matched to 3-Month Interviews consumers. This information on the types of consumers, time in treatment, types of services needed and being rendered helps in understanding the behavioral changes shown in Part II and Part III of this report.

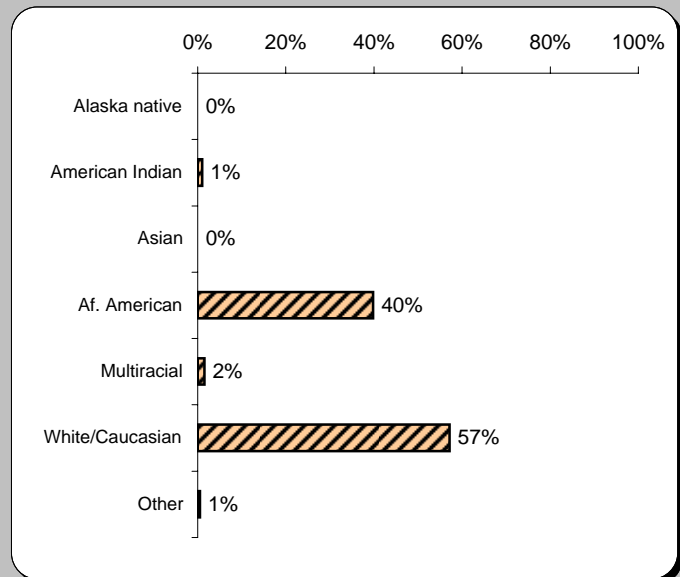
### 1-1: Days Between Initial and Update Interview



### 1-2: Gender

Among Pathways consumers, 60% are male, and 40% are female.

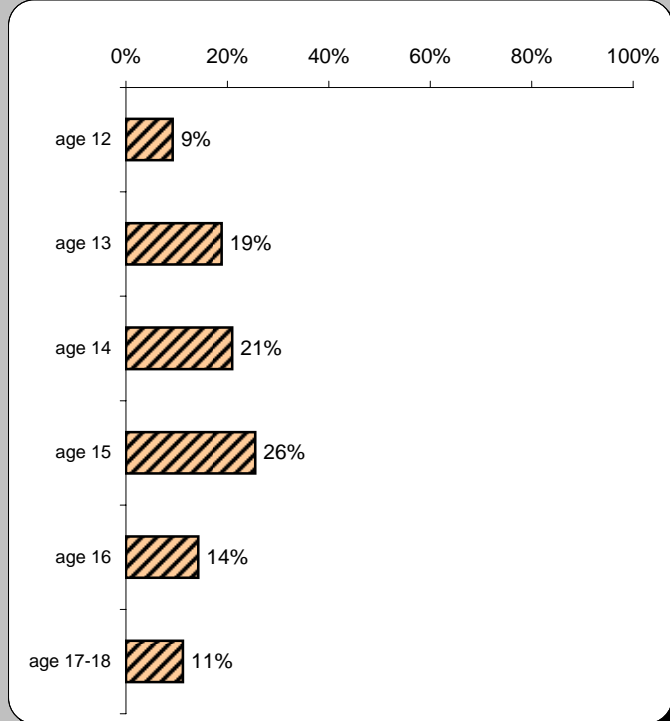
### 1-3: Race/Ethnicity



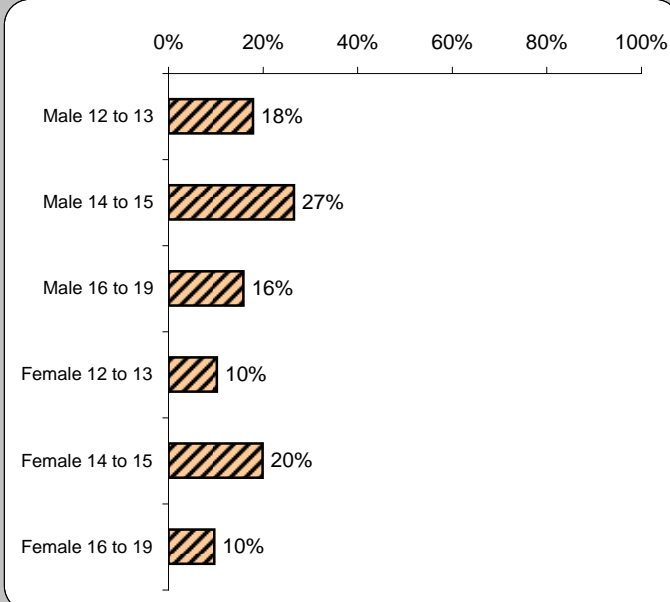
### 1-4: Hispanic

2% of Pathways consumers are Hispanic.

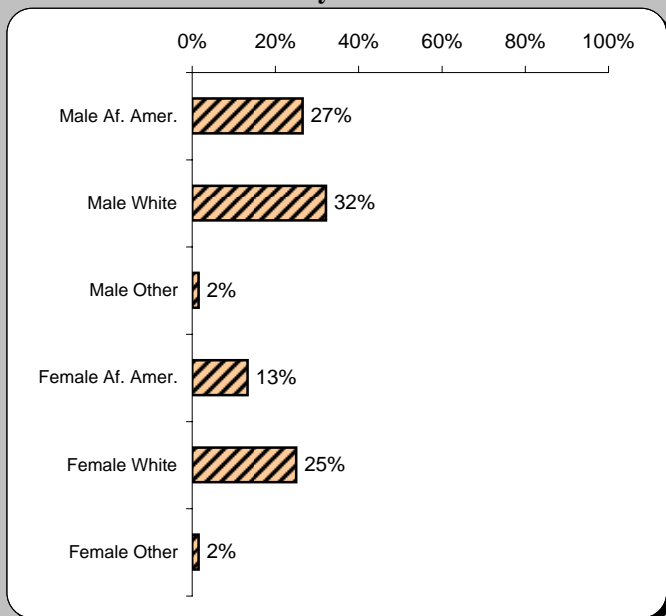
### 1-5: Age Group



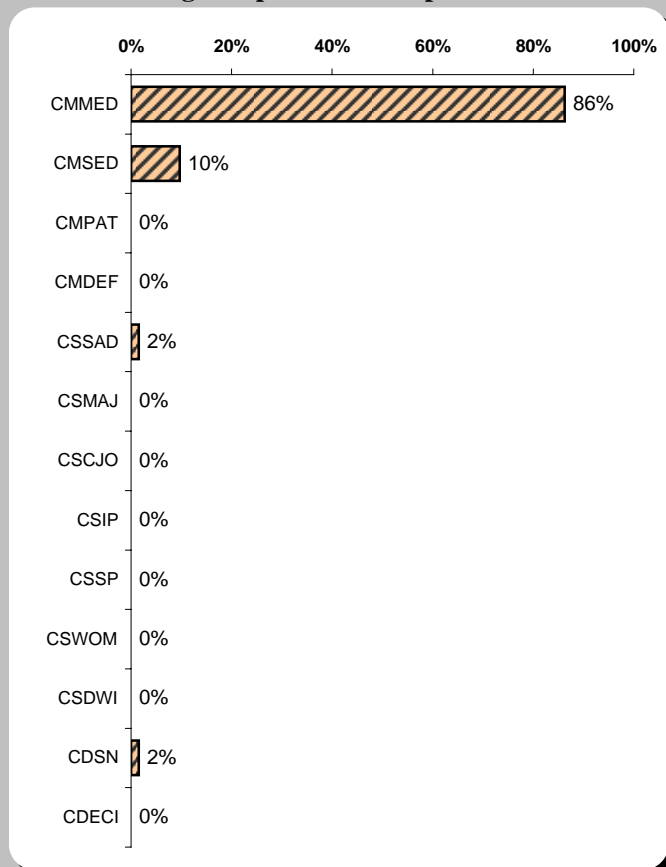
### 1-6: Gender and Age



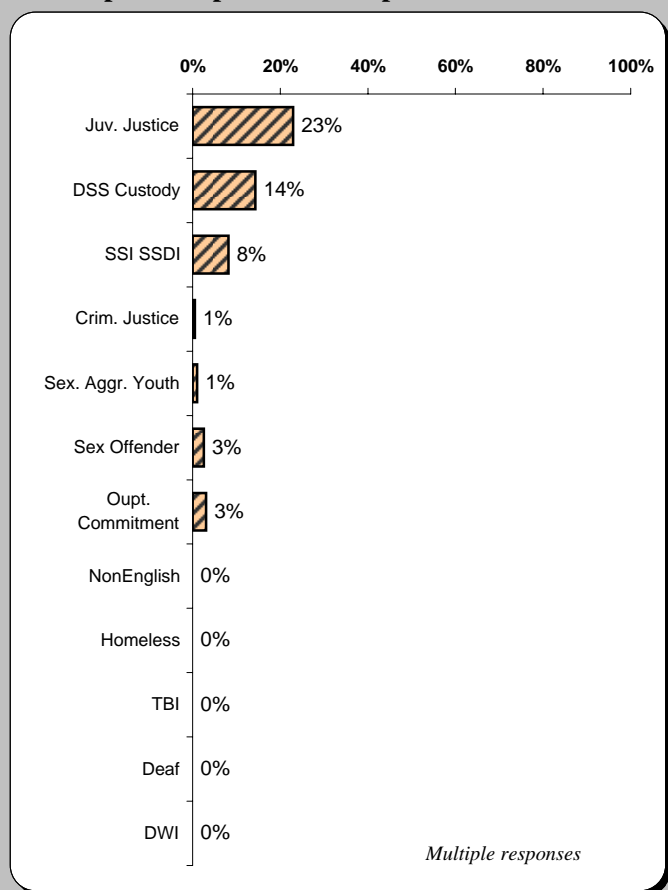
## 2-1: Gender and Ethnicity



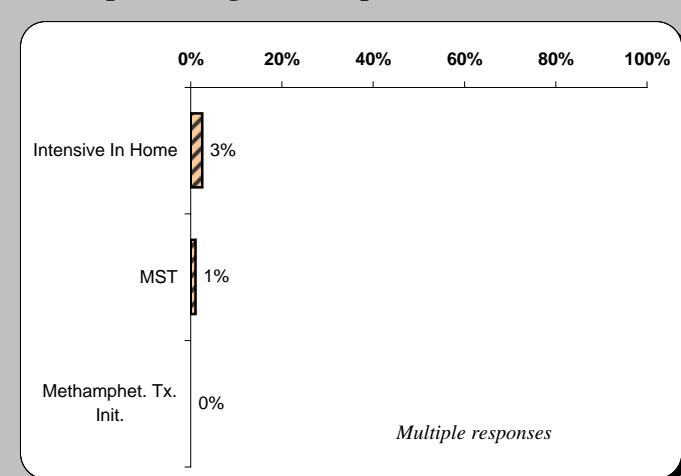
## 2-2: IPRS Target Populations at Update



## 2-3: Special Populations at Update



## 2-4: Special Programs at Update

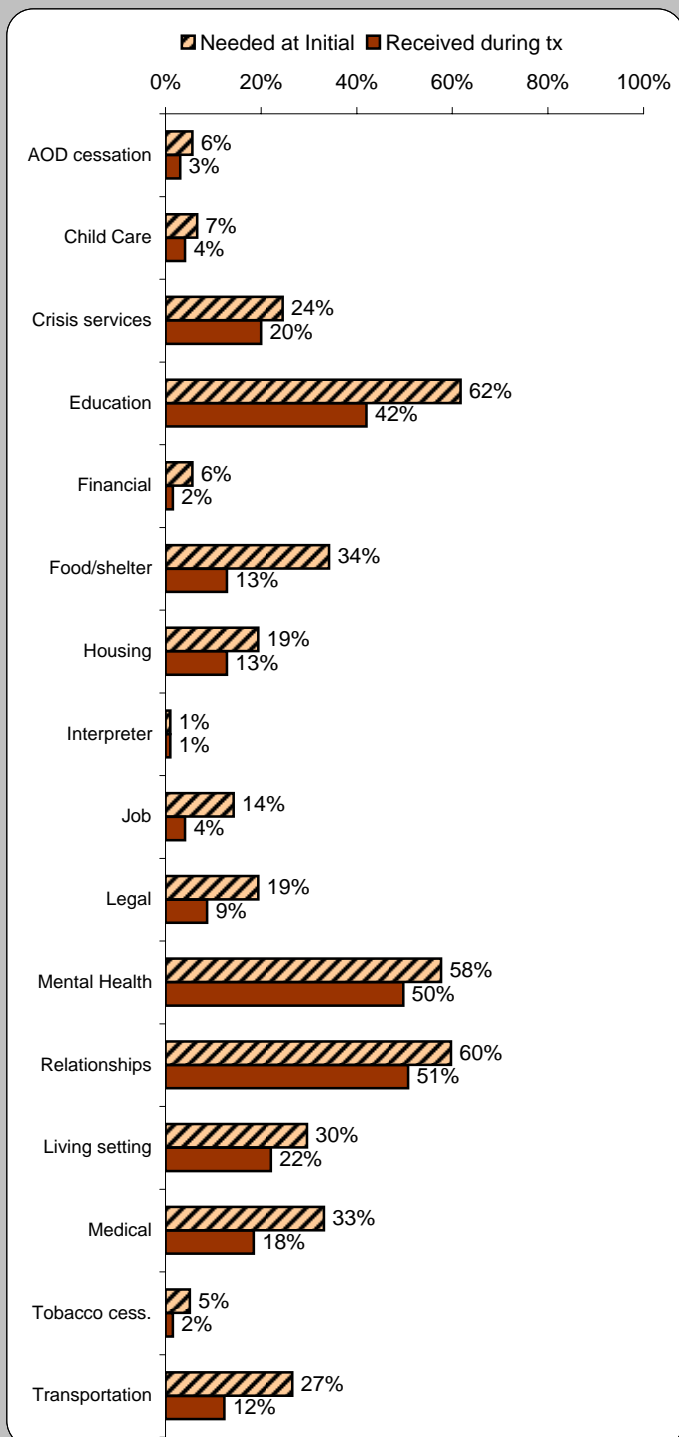


Note: See appendix for definitions of acronyms used on this page.

Number of matched Initial/Update Interviews: Pathways = 196

### 3-1: Services Needed and Received

This chart compares information from the Initial Interview about whether a service area is very important to information from the Update Interview about whether the service was received during treatment.

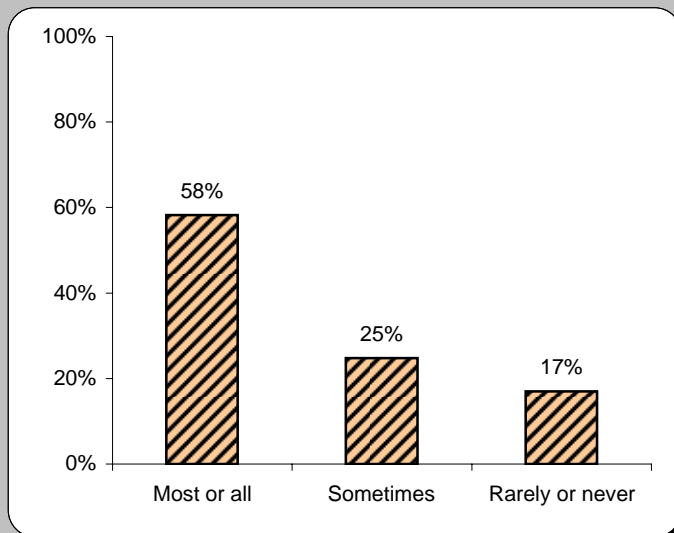


### 3-2: DSM-IV Diagnoses at Update

Diagnostic Category	
ADD	45%
Oppositional defiant disorder	58%
Major depression	14%
Conduct disorder	24%
Disruptive behavior	11%
Bipolar disorder	11%
PTSD	5%
Anxiety disorder	7%
Drug abuse	5%

Only most common diagnoses shown. Multiple response

### 3-3: Attendance at Scheduled Treatment Sessions, During Treatment Since Last Interview



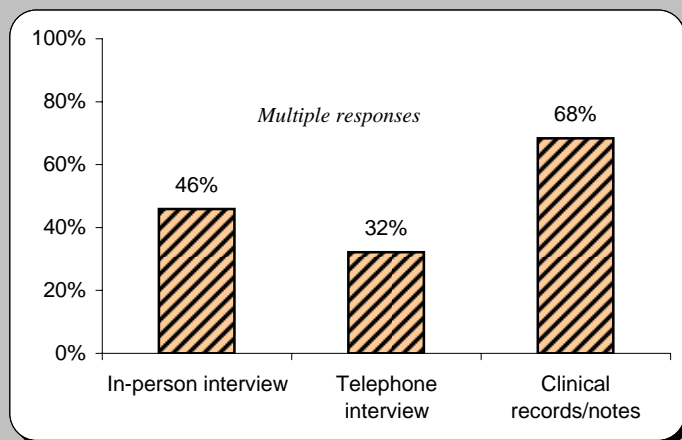
### 3-4: Family Involvement with Treatment Services and Person-Centered Planning Since the Last Interview

Family Involvement with...	
Services and/or planning	96%
Treatment Services	93%
Person-centered planning	71%

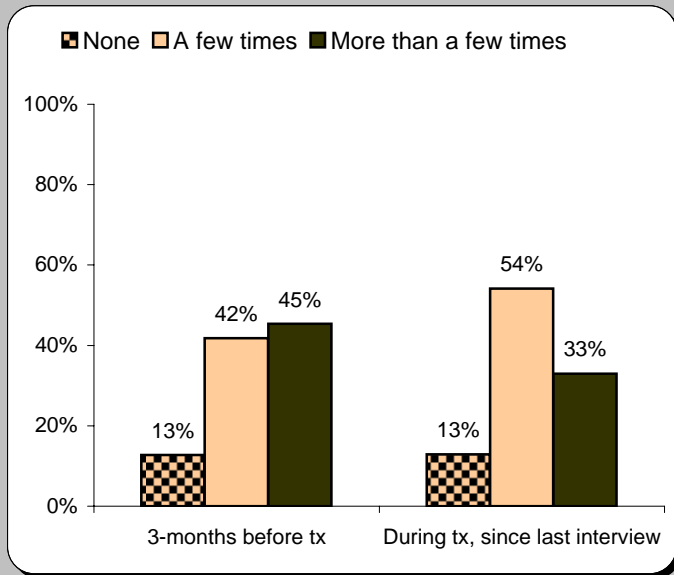
## Part II

Charts and Graphs 4-2 thru 5-9 show consumers' daily activities, living situation, substance use, and arrests. Some graphs and tables compare information collected at the Initial with information collected in the Update. Initial information is designed to be collected by means of a personal interview with the consumer. The preferred method for completing the Update items in this section is a personal interview; however, a telephone interview, clinical records, and/or notes can also be used. The following chart shows how it was completed for the current group of consumers:

### 4-1 Update Data Collection Method



### 4-2: How Often Problems Interfere with Work, School, or Other Daily Activities



Number of matched Initial/Update Interviews: Pathways = 196

### 4-3: Enrollment in Academic Program

Enrolled in....	Initial Interview	Update Interview
Any academic program	88%	91%
Academic School (K-12)	74%	79%
Alternative Learning Program(ALP)	15%	14%
Technical or Vocational School	1%	1%
GED	0%	1%

### 4-4: Students in K-12 who Received Mostly A's, B's, and C's at Most Recent Grading Period

Of those in K-12	Initial Interview	Update Interview
Received mostly A's, B's, and C's	69%	62%

### 4-5: School Expulsion, Suspension and Truancy

Of those enrolled in K-12 who missed school due to	3-months before tx	Since last interview
Expulsion	1%	5%
Suspension	45%	29%
Truancy	19%	10%

### 4-6: Justice System Involvement

1% of Pathways consumers were under adult correctional supervision and 23% were under the juvenile correctional supervision at the time of the Update Interview.

### 4-7: Arrested or In Trouble with the Law

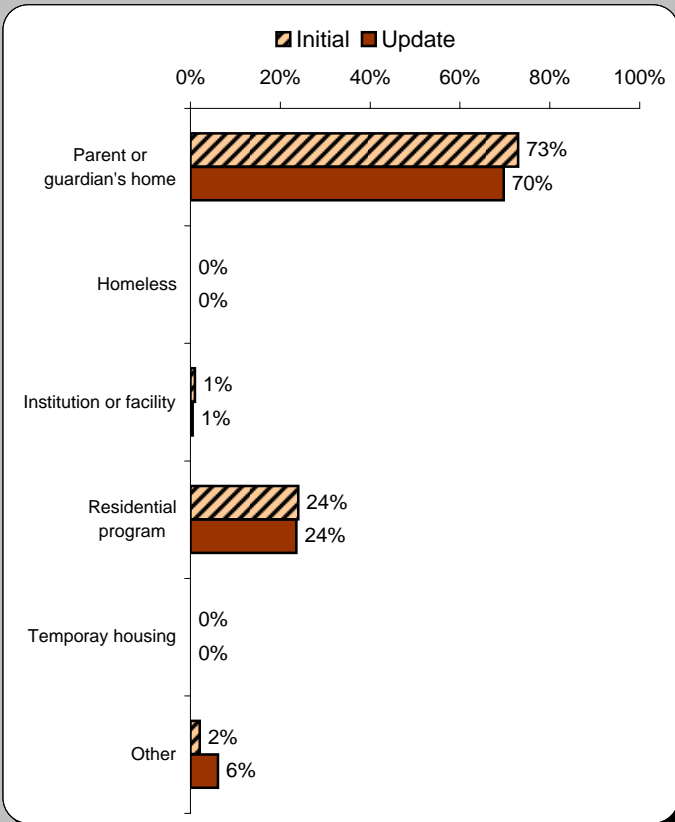
	6-months before tx	Past Month or since last interv.
In trouble with the law	28%	16%
Any arrest	12%	3%
Misdemeanor arrest	10%	3%
Felony arrest	3%	1%

Note: Time period for Update changed from since last interview to past month.

### 4-8: Carried Weapon Such as Knife or Gun

	3-months before tx	During tx since last interview
Carried knife or gun	14%	8%

## 5-1: Where Lived



## 5-2: Number Living in Special Circumstances

Where lived most of time	3 Months before Tx	Since last interview
Homeless sheltered	0	0
Homeless unsheltered	0	0
Foster home	3	1
Therapeutic foster home	13	11
Level III Group Home	28	29
Level IV Group Home	3	2
Halfway house	0	0
State residential treatment center	0	2
SA residential treatment facility	0	0
Psychiatric residential treatment facility	1	0
<b>Total living in special circumstances</b>	<b>48</b>	<b>45</b>
--Of the total, number in home community	23	22

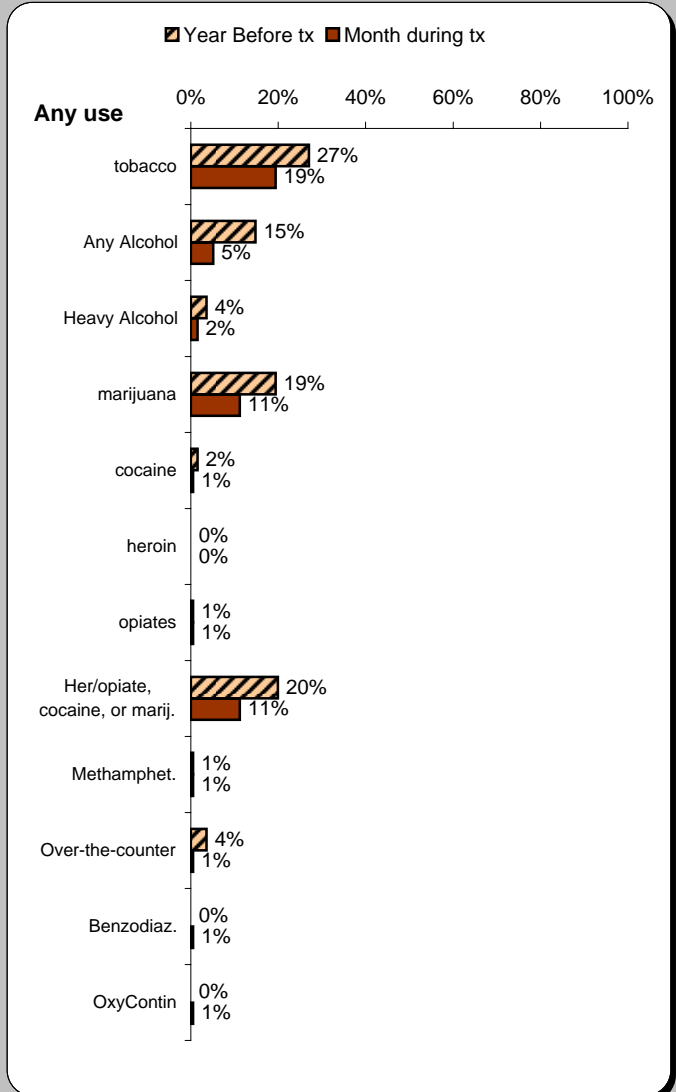
## 5-3: Have Own Children

1% of Pathways consumers have children of their own.

## 5-4: Times Moved Residences Since Last Interview

None	69%
Once	24%
More than once	7%

## 5-5: Substance Use



## 5-6: Cigarette Smoking

	Month before tx	Month during tx
Smoke cigarettes	21%	17%
Smoke a pack a day or more	2%	2%

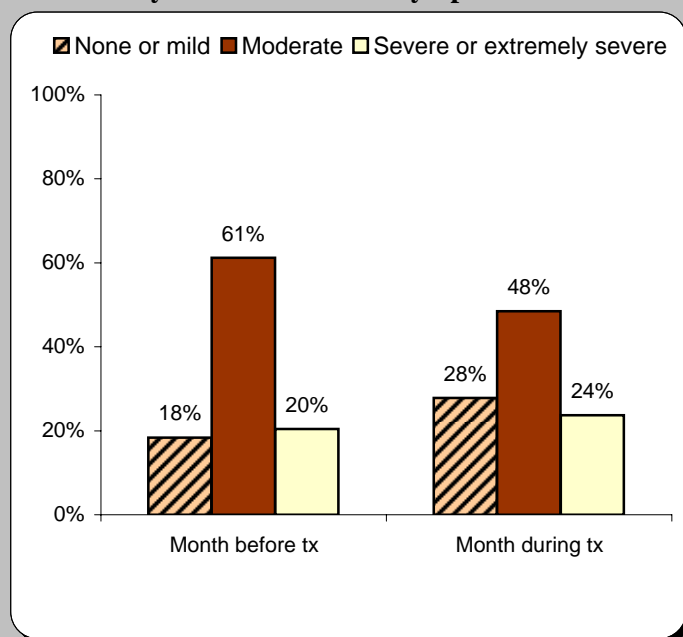


## Part III

Charts and Graphs 6-1 thru 7-3 compare Initial Interview information with information from Section III of the Update Interview. Section III has questions that must be answered by the consumer. If the consumer is not available, these items are skipped and left blank. Therefore, these items often represent the responses of fewer consumers.

**\* 98 of the 196 (50%) of Pathways Update Interviews included a personal interview with the consumer.**

### 6-1: Severity of Mental Health Symptoms



### 6-2: Psychotropic Medications at Update

61% of Pathways consumers have a current prescription for psychotropic medications. Of those, 82% take their medication as prescribed all or most of the time.

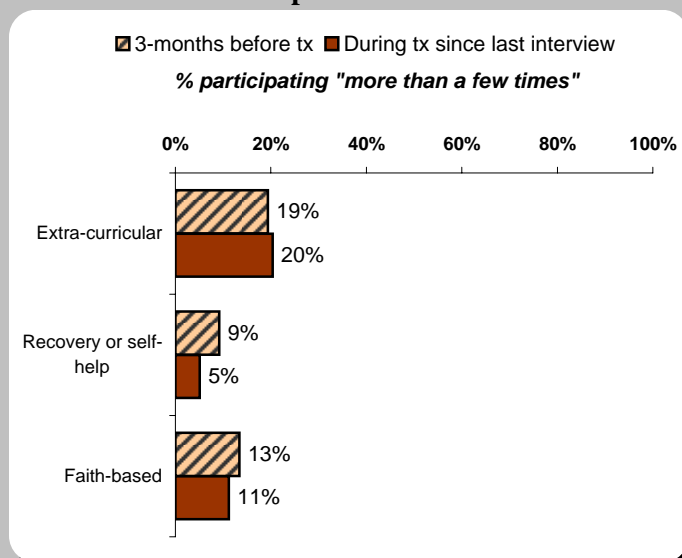
### 6-3: Experienced Violence

	3 Months before tx	During tx, since last interview
Physical violence	20%	22%
Sexual violence	1%	5%

### 6-4: Behavior Problems and Symptoms

	3 Months before tx	During tx, since last interview
Suicidal thoughts	28%	20%
Tried to hurt or cause self pain	18%	14%
Risky Sexual activity	4%	13%
Hit/physically hurt another person	37%	33%

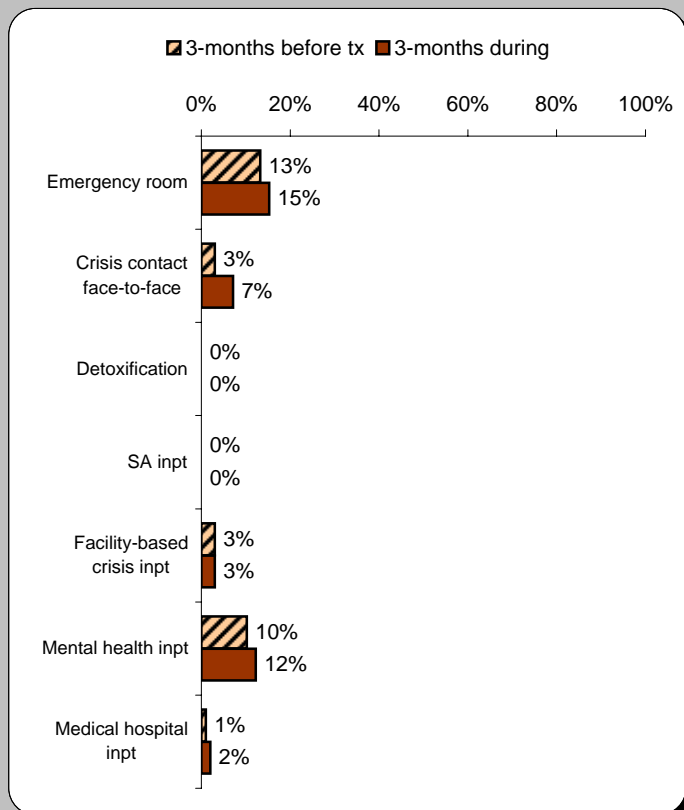
### 6-5: Consumer Participation in Positive Activities



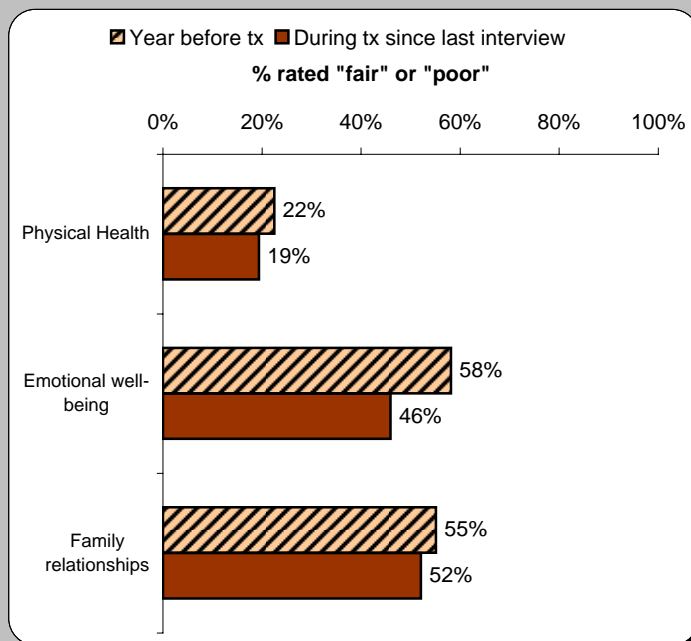
### 6-6: Public or Private Health Care Provider

Of the Pathways consumers, 88% have an identified primary health care provider and 85% have seen their provider in the past year.

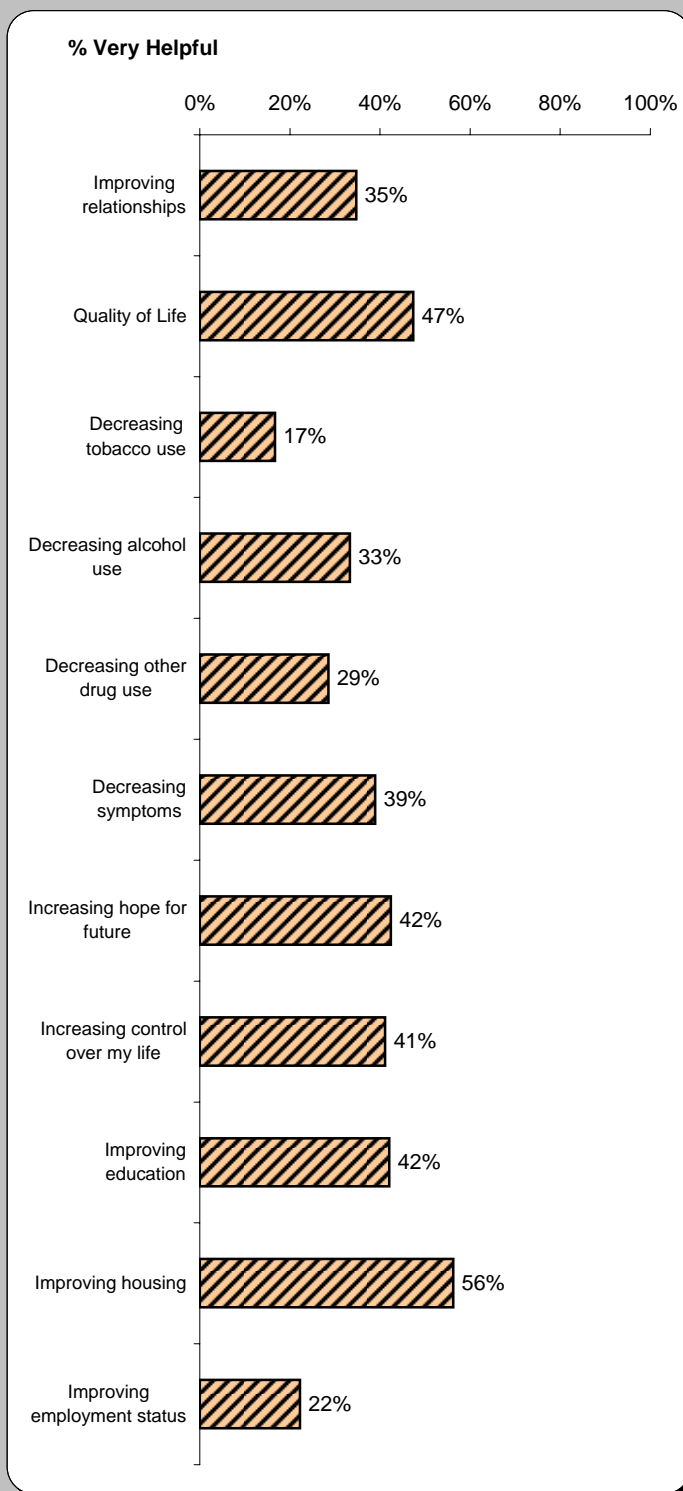
## 7-1: Health Care Received



## 7-2: Consumer Ratings on Quality of Life



## 7-3: Helpfulness of Program Services (of those for whom the service is applicable)



<b>Acronym or Term</b>	<b>Definition</b>
ACT	Assertive Community Treatment
ADMRI	Target population: Adult with both mental retardation and mental illness
ADSN	Target population: Adult with Developmental Disability
Af American	African American
AMOLM	Target population: Adult consumer receiving Olmstead services
AMPAT	Target population: Adult MH consumer who is homeless (PATH program).
AMSMI	Target population: Adult with serious mental illness
AMSPM	Target population: Adult with serious and persistent mental illness
AOD	Alcohol or other drugs
ASCDR	Target population: Adult SA injection drug user at risk for communicable disease
ASCJO	Target population: Adult SA who is a criminal justice offender
ASDHH	Target population: Adult SA consumer who is deaf or hard of hearing
ASDSS	Target population: Adult SA consumer who is involved with DSS
ASDWI	Target population: Adult SA consumer who is receiving DWI offender treatment
ASHMT	Target population: Adult with a chronic substance abuse disorder
ASHOM	Target population: Adult SA consumer who is homeless
ASWOM	Target population: Adult SA consumer who is pregnant or has dependent children
Assessmt	Assessment
Benzodiaz.	Benzodiazepine(s)
Buprenorph.	Buprenorphine
CASAWORKS	Residential program initiative designed to help substance abusing women
Cauc.	Caucasian
Crim. Justice or CJ	Criminal Justice
CST	Community support team
Detox	detoxification
DSM	Diagnostic and Statistical Manual (Edition IV)
DSS	Division of Social Services
DWI	Driving while Impaired
GED	General Education Diploma (High School Equivalency)
H or I felon	Class H or I felon (controlled substance) who applied for food stamps
Her	Heroin
HS	High School
Inpt.	Inpatient
Marij.	Marijuana
Med. Mgmt.	Psychiatric medication management services
Methamphet.	Methamphetamine(s)
Methamphet. Tx. Init.	Methamphetamine Treatment Initiative
MH	Mental Health
Outpt. Commitment	Outpatient Commitment
PSR	Psychosocial rehabilitation
PTSD	Post-traumatic Stress disorder
SA	Substance Abuse or Substance Abuser
SSI/SSDI	Supplemental Security Income or Social Security Disability Insurance
TASC	Treatment Accountability for Safer Communities
TBI	Traumatic brain injury
Tx	Treatment
Work First	DSS program for temporary assistance to needy families

Note; Refer to web page for more complete definitions of target populations:

<http://www.dhhs.state.nc.us/mhdd/sas>